

Abstract

- 5 The invention provides compositions and methods for increasing the production of alcohol, *e.g.*, ethanol, from a saccharide source and increasing the growth of ethanologenic cells by exposing ethanologenic cells to a compound. Preferred
alcohologenic cells (cells capable of fermenting a carbon source into an alcohol) are
selected from the family Enterobacteriaceae, such as, for example, *Escherichia* or
10 *Klebsiella*. Furthermore, the methods and compositions of the invention are suitable for
use in simultaneous saccharification and fermentation.

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